## EAST Search History

| Ref #       | Hits | Search Query   | DBs   | Default<br>Operator | Plurals | Time Stamp          |
|-------------|------|--|---|---------------------|---------|---------------------|
| S52         | 15   | (na or sodium) near15<br>(gan or gallium near2<br>nitride) near15 (mg or<br>magnesium)               | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2008/10/16<br>22:12 |
| S51         | 266  | (na or sodium) near15<br>(gan or gallium near2<br>nitride)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2008/10/16<br>22:12 |
| <b>S</b> 55 | 18   | (na or sodium) near15<br>(gan or gallium near2<br>nitride) near10 (melt<br>or flux) and<br>magnesium | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2008/10/16<br>22:14 |
| S54         | 99   | (na or sodium) near15<br>(gan or gallium near2<br>nitride) near10 (melt<br>or flux)                  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2008/10/16<br>22:14 |
| S53         | 266  | (na or sodium) near15<br>(gan or gallium near2<br>nitride)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2008/10/16<br>22:14 |
| <b>S</b> 59 | 9    | dwilinski.in. and<br>(sodium same<br>magnesium)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2008/10/16<br>22:20 |
| <b>S</b> 58 | 0    | "20020192507" and<br>(sodium same<br>magnesium)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2008/10/16<br>22:20 |
| S57         | 0    | "20020192507" and<br>(na and mg)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2008/10/16<br>22:20 |
| S56         | 2    | "20020192507"  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2008/10/16<br>22:20 |

| S61 | 0  | "20020189531" and<br>magnesium                  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/16<br>22:24 |
|-----|----|---|---|----|----|---------------------|
| S60 | 0  | "20020189531" and<br>magnesium same<br>sodium   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/16<br>22:24 |
| S63 | 15 | dwilinski.in. and<br>magnesium and<br>sodium    | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/16<br>22:25 |
| S62 | 17 | dwilinski.in. and<br>magnesium                  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/16<br>22:25 |
| S66 | 3  | "03035945"                                      | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/16<br>22:31 |
| S65 | 1  | "0335945"                                       | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/16<br>22:31 |
| S64 | 0  | "200335945"                                     | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/16<br>22:31 |
| S68 | 1  | "7335262".pn. and<br>nitrogen                   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/16<br>22:33 |
| S67 | 0  | "7335262".pn. and<br>nitrogent'                 | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/16<br>22:33 |
| S69 | 16 | dwilinski.in. and<br>nitrogen near2<br>pressure | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/16<br>22:36 |

| S70 | 55 | ammono\$6 same (gan<br>or gallium near2<br>nitride)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/16<br>22:39 |
|-----|----|---|---|----|----|---------------------|
| S72 | 29 | ammono\$6 same (gan<br>or gallium near2<br>nitride) and (nitrogen<br>or "n.sub.2") near10<br>pressur\$6     | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/16<br>22:40 |
| S71 | 51 | ammono\$6 same (gan<br>or gallium near2<br>nitride) and (nitrogen<br>or "n.sub.2")                          | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/16<br>22:40 |
| S74 | 20 | dissolut\$6 same (gan<br>or gallium near2<br>nitride) same (nitrogen<br>or "n.sub.2") near10<br>pressur\$6  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/16<br>23:02 |
| S73 | 65 | dissolut\$6 same (gan<br>or gallium near2<br>nitride) and (nitrogen<br>or "n.sub.2") near10<br>pressur\$6   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/16<br>23:02 |
| S75 | 3  | "03035945"  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/17<br>13:01 |
| S76 | 99 | supercritical near10<br>("nh.sub.3" or<br>ammonia) near10<br>nitrogen                                       | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/17<br>13:05 |
| S77 | 22 | supercritical near10<br>("nh.sub.3" or<br>ammonia) near10<br>nitrogen and (gan or<br>gallium near2 nitride) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/17<br>13:06 |
| S78 | 0  | "20020175338" and<br>supercritical\$6   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/17<br>14:31 |
| S80 | 0  | "20020175338" and (magnesium)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/17<br>14:32 |

| S79         | 3    | "20020175338"  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/17<br>14:32 |
|-------------|------|--|---|----|----|---------------------|
| S82         | 14   | autoclave same (na or<br>sodium) same (gan or<br>gallium near2 nitride)<br>and (magnesium)                         | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/17<br>14:33 |
| S81         | 5180 | autoclave same (na or<br>sodium) and<br>(magnesium)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/17<br>14:33 |
| S83         | 33   | dissolut\$6 near15 (gan<br>or gallium near2<br>nitride) and<br>(magnesium)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/17<br>14:41 |
| S84         | 33   | dissolut\$6 near15 (gan<br>or gallium near2<br>nitride) same (nitrogen<br>or "n.sub.2")                            | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/17<br>14:42 |
| <b>S</b> 85 | 47   | supercritical near15<br>(gan or gallium near2<br>nitride) same (nitrogen<br>or "n.sub.2")                          | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/17<br>14:43 |
| S86         | 79   | (gan or gallium near2<br>nitride) and (flux or<br>mineraliz\$5) near10<br>(mg or magnesium)                        | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/17<br>14:52 |
| S88         | 16   | (gan or gallium near2<br>nitride) and (flux or<br>mineraliz\$5) near10<br>(mg or magnesium)<br>same (na or sodium) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/17<br>14:53 |
| S87         | 40   | (gan or gallium near2<br>nitride) and (flux or<br>mineraliz\$5) near10<br>(mg or magnesium)<br>and (na or sodium)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/17<br>14:53 |
| S89         | 2    | "20070196942".pn.  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/21<br>23:45 |

| S90 | 1  | "20070196942".pn.<br>and proportion   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/21<br>23:47 |
|-----|----|---|---|----|----|---------------------|
| S91 | 1  | "20070196942".pn.<br>and na near2 pur\$6  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/21<br>23:49 |
| S92 | 3  | "20040003495"   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/22<br>00:10 |
| S93 | 1  | (gan or gallium near2<br>nitride) near10 melt<br>near15 dop\$5 near10<br>(zn or zinc) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/24<br>23:46 |
| L1  | 2  | "6562124".pn.   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/25<br>16:28 |
| L2  | 2  | "20040003495".pn.   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/25<br>16:31 |
| L6  | 1  | Na near10 "99.999"<br>and (Ga! or gallium)<br>near12 melt                             | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/25<br>17:27 |
| L5  | 0  | Na near10 3N and<br>(Ga! or gallium)<br>near12 melt                                   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/25<br>17:27 |
| L4  | 0  | Na near10 3N and Ga<br>near2 melt   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/25<br>17:27 |
| L3  | 42 | Na near10 3N  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/25<br>17:27 |

| L11 | 4     | 8 and 3n   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/25<br>17:28 |
|-----|-------|--|---|----|----|---------------------|
| L10 | 25955 | "8" and 3n   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/25<br>17:28 |
| L9  | 25019 | 9" and 3n  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/25<br>17:28 |
| L8  | 20    | [US-20070040240-\$ or US-20060048699-\$ or US-20060048699-\$ or US-2006001942-\$ or US-20060051942-\$ or US-20060051942-\$ or US-20060057530-\$ or US-20060037530-\$ or US-20060054076-\$). did. or (US-7335262-\$ or US-5868837-\$ or US-7220311-\$ or US-5306662-\$ or US-6534601-\$ or US-6534601-\$ or US-6534601-\$ or US-659268-\$ or US-659 | US-PGPUB;<br>USPAT;<br>DEHWENT                          | OR | ON | 2008/10/25<br>17:28 |
| L7  | 0     | Na near10 "99.99" and<br>(Ga! or gallium)<br>near12 melt   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/25<br>17:28 |

| L13 | 8  | (yasuo near2 kitaoka or hisashi near2 minemoto or isao near2 kidoguchi or takatomo near2 sasaki or yusuke near2 mori or fumio near2 kawamura),in. and (gan or gallium near2 nitride) near10 (na or sodium) and magnesium | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DEFWENT;<br>IBM_TDB | OR | ON | 2008/10/25<br>17:56 |
|-----|----|--|---|----|----|---------------------|
| L12 | 33 | (yasuo near2 kitaoka or hisashi near2 minemoto or isao near2 kidoguchi or takatomo near2 sasaki or yusuke near2 mori or fumio near2 kawamura).in. and (gan or gallium near2 nitride) near10 (na or sodium)               | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/25<br>17:56 |

10/25/08 5:58:16 PM H:\ EAST\ 10584725.wsp